

Title (en)
 DEVICE AND METHOD FOR AUTOMATIC PROCESSING OF CULTURE PLATES FOR MICROBIOLOGICAL SAMPLES

Title (de)
 VORRICHTUNG UND VERFAHREN ZUR AUTOMATISCHEN VERARBEITUNG VON KULTURPLATTEN FÜR MIKROBIOLOGISCHE PROBEN

Title (fr)
 DISPOSITIF ET PROCÉDÉ POUR LE TRAITEMENT AUTOMATIQUE DE PLAQUES DE CULTURE POUR DES ÉCHANTILLONS MICROBIOLOGIQUES

Publication
EP 2989470 B1 20190828 (EN)

Application
EP 14728321 A 20140423

Priority
 • IT MI20130692 A 20130426
 • IB 2014060933 W 20140423

Abstract (en)
 [origin: WO2014174455A1] An automatic processing device of culture plates (2) for microbiological samples, wherein the processing device (1) comprises at least a support frame (3); a slide (4) provided with a seating (5) configured for removably housing at least a culture plate (2) and movably mounted on the support frame (3) so as to be selectively displaceable between at least a first loading position, a plurality of image-acquiring positions, and at least a first unloading; a camera (6) of a linear type, provided with at least an optic (7) of a telecentric type and a trilinear sensor, and arranged according to a vertical axis (8) such as to acquire, at an image-acquiring zone, a multiplicity of linear images of corresponding linear portions of an upper surface of the culture plate (2), during the displacing of the slide (4); at least a first lighting device (11) orientated such as to illuminate at least the linear portions of an upper surface of the culture plate (2); an advancing device (14) of the slide (4) configured such as to enable obtaining a constant and substantially vibration-free advancing speed of the slide (4) at least in the image-acquiring zone; and at least an electronic control device (9) of a functioning of the camera (6), of the lighting device and of the advancing device (14).

IPC 8 full level
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 • WO 2012152769 A1 20121115 - BIOMERIEUX SA [FR], et al
 • FR 2789694 A1 20000818 - INTELLIGENCE ARTIFICIELLE APPL [FR]
 • US 6002789 A 19991214 - OLSZTYN PAUL C [US], et al
 • US 2012275681 A1 20121101 - HONDA TOSHIFUMI [JP], et al

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